CONTENTS OF VOLUME 23

Number 1, January 1992

| Original Papers | |
|--|---------|
| Results of postoperative radiation therapy in medullary carcinoma of the thyroid: A retrospective study by the French Federa Cancer Institutes – The Radiotherapy Cooperative Group | tion of |
| T. D. Nguyen, J. L. Chassard, P. Lagarde, B. Cutuli, R. Le Fur, M. Reme-Saumon, B. Prevost, X. Panis, P. Verrelle and G. Chaplain (France) | 1 |
| Deins distington of a superstanding design and and analysis and and an interestinish and interestinish | |
| Reirradiation of recurrent head and neck cancers: external and/or interstitial radiation therapy P. C. Levendag, C. A. Meeuwis and A. G. Visser (The Netherlands) | 6 |
| | |
| Intraluminal low-dose rate brachytherapy for malignant endobronchial obstruction T. C. M. Lo, J. F. Beamis, Jr., R. S. Weinstein, G. E. Costey, C. F. Andrews, D. C. Webb-Johnson, L. Girshovich and M. H. Leibenhaut (U.S.A.) | 16 |
| Elevation of mouse kidney thiol content following administration of glutathione | |
| E. A. Bump, R. Al-Sarraf, S. M. Pierce and C. N. Coleman (U.S.A.) | 21 |
| The effect of two fractions of radiation, delivered in air or in hyperbaric oxygen, on the Fib/T tumour in WHT mice pretreate a hypoxic gas misture | d with |
| A. Hendrikse and G. Blekkenhorst (South Africa) | 26 |
| Fractionation response and repair kinetics of radiation-induced heart failure in the rat | |
| S. Schultz-Hector, M. Sund and H. D. Thames (F.R.G., U.S.A.) | 33 |
| Late radiation response of canine mediastinal tissues | |
| S. McChesney Gillette, E. L. Gillette, T. Shida, J. Boon, C. W. Miller and B. E. Powers (U.S.A., Japan) | 41 |
| Short Communication | |
| Dose escalation for stage C (T3) prostate cancer: minimal rectal toxicity observed using conformal therapy H. M. Sandler, C. Perez-Tamayo, R. K. Ten Haken and A. S. Lichter (U.S.A.) | 53 |
| Letter to the Editors | |
| Curietherapy versus external irradiation combined with curietherapy in stage II squamous cell carcinoma of the mobile tongu | |
| P. Lambin, C. Haie-Meder, A. Gerbaulet and D. Chassagne (France) | 55 |
| Meeting agenda | 57 |
| Courses | 58 |
| Announcements | 63 |
| Number 2, February 1992 | |
| Editorial | |
| Combined radiotherapy and surgery in early carcinoma of the uterine cervix | |
| JC. Horiot (France) | 65 |
| Original Papers | |
| Combined radiotherapy and surgery: local control and complications in early carcinoma of the uterine cervix – the Villejuif expert 1975–1984 | ience, |
| A. L. Gerbaulet, I. H. Kunkler, G. R. Kerr, C. Haie, G. Michel, M. Prade, C. Lhomme, M. Masselot, M. Albano, A. Dutreix and D. Chassagne (U.K. | .) 66 |
| A prospective randomised trial of 4 Gy or 8 Gy single doses in the treatment of metastatic bone pain | |
| P. J. Hoskin, P. Price, D. Easton, J. Regan, D. Austin, S. Palmer and J. R. Yarnold (U.K.) | 74 |
| Prognostic factors in nasopharyngeal carcinoma investigated by computer tomography – an analysis of 659 patients | |
| P. Teo, W. Shiu, S. F. Leung and W. Y. Lee (Hong Kong) | 79 |

| The kinetics of repair for sublethal radiation-induced damage in the pig epidermis: an interpretation based on a fast and a slow component of repair | i |
|---|-----|
| G. J. M. J. Van den Aardweg and J. W. Hopewell (U.K.) | 94 |
| Radiotherapy of the rhabdomyosarcoma R1H of the rat: recovery from radiation injury in tumour and skin F. Würschmidt, S. Becker, T. Maurer, M. Omniczynski, R. Schelp, H. Vogler and HP. Beck-Bornholdt (F.R.G.) | 105 |
| Overview of animal studies comparing radioimmunotherapy with dose equivalent external beam irradiation S. J. Knox, M. L. Goris and B. W. Wessels (U.S.A.) | 111 |
| A multidisciplinary approach to improving the quality of tangential chest wall and breast irradiation for carcinoma of the breast A. T. Redpath, D. I. Thwaites, A. Rodger, M. W. Aitken and P. D. J. Hardman (U.K.) | 118 |
| Technical Note Sagittal and coronal planes from MRI for treatment planning in tumors of brain, head and neck; MRI assisted simulation R. Pötter, B. Heil, L. Schneider, H. Lenzen, C. Al-Dandashi and E. Schnepper (F.R.G.) | 127 |
| Short Communication Transiestran a new 5 HT assertes extraories in the presention of radiation induced exacts. | |
| Tropisetron, a new 5-HT ₃ receptor antagonist in the prevention of radiation-induced emesis B. Sorbe, AM. Berglind and K. De Bruijn (Switzerland) | 131 |
| Courses | 133 |
| Announcements | 135 |
| Number 3, March 1992 | |
| Original Papers The effect of treatment time and treatment interruption on tumour control following radical radiotherapy of laryngeal cancer M. B. Barton, T. J. Keane, T. Gadalla and E. Maki (Canada) | 137 |
| Variation in mantle technique: implications for establishing priorities for quality assurance in clinical trials D. J. Sebag-Montefiore, E. J. Maher, J. Young, G. V. Hudson and G. Hanks (U.S.A.) | 144 |
| Analysis of cytotoxicity of ¹³¹ I-labelled OC125 F(ab') ₂ on human epithelial ovarian cancer cell lines E. Schneider-Gädicke, J. L. Humm, C. C. Lau, R. M. Macklis, G. Bastert and R. C. Knapp (U.S.A., F.R.G.) | 150 |
| Survical after total body irradiation: effects of irradiation of exteriorized small intestine H. M. Vriesendorp, R. M. Vigneulle, G. Kitto, T. Pelgy, P. Taylor and J. Smith (U.S.A.) | 160 |
| Collateral resistance to photon and neutron irradiation is associated with acquired cis-platinum resistance in human ovarian tumour cells | |
| R. A. Britten, J. Peacock and H. M. Warenius (U.K.) | 170 |
| Linear-quadratic model underestimates sparing effect of small doses per fraction in rat spinal cord C. S. Wong, S. Minkin and R. P. Hill (Canada) | 176 |
| Cerebral metastases from malignant melanoma G. Stevens, I. Firth and A. Coates (Australia) | 185 |
| Beam modifying devices in the treatment of early breast cancer: 3-D stepped compensating technique R. Valdagni, M. Ciocca, L. Busana, A. Modugno and C. Italia (Italy) | 192 |
| Short Communication | |
| Radiation sensitive breast cancer patients A. Norman, K. S. Iwamoto, A. R. Kagan and M. Wollin (U.S.A.) | 196 |
| Letters to the Editors | |
| Detection of systematic patient setup errors by portal film analysis J. V. Lebesque, A. Bel, J. Bijhold and A. A. M. Hart (The Netherlands) | 198 |
| The influence of dose and time on the cure of larynx B. M. Dubray and H. D. Thames (France, U.S.A.) | 199 |
| D. M. Duntay and A. D. Thanney (France, U.S.A.) | 199 |

| Reply to Letter by Drs. Dubray and Thames | |
|---|-----|
| M. Barton, T. Keane, T. Gadalla and E. Maki (Canada) | 200 |
| Meeting Agenda | 201 |
| Courses | 203 |
| Announcements | 204 |
| Number 4. April 1992 | |
| Publisher's Announcement | iii |
| Obituary G. H. Fletcher | V |
| Editorial Variability of dose specifications in endoluminal brachytherapy B. Speiser (U.S.A.) | 211 |
| Original Papers Dosimetry of intraluminal brachytherapy G. Marinello, B. Pierquin, L. Grimard and C. Barret (France, Canada) | 213 |
| Human errors in data transfer during the preparation and delivery of radiation treatment affecting the final result: "garbage in, garbage out" G. Leunens, J. Verstraete, W. Van den Bogaert, J. Van Dam, A. Dutreix and E. van der Schueren (Belgium) | 217 |
| Iridium-192 brachytherapy in the management of 147 T_2N_0 oral tongue carcinomas treated with irradiation alone: comparison of two treatment techniques M. Pernot, L. Malissard, P. Aletti, S. Hoffstetter, J. J. Forçard and P. Bey (France) | 223 |
| The prognostic value of hemoglobin and a decrease in hemoglobin during radiotherapy in laryngeal carcinoma M. J. J. van Acht, J. Hermans, D. E. S. Boks and J. W. H. Leer (The Netherlands) | 229 |
| Serum prostate-specific antigen in monitoring the response of carcinoma of the prostate to radiation therapy J. Fijuth, B. Chauvet, P. Vincent, C. Félix-Faure and F. Reboul (France) | 236 |
| Radiotherapy enhanced by cis-platinum in stage III non-small cell lung cancer: a phase II study M. G. Trovò, E. Minatel, G. Franchin, C. Gobitti, M. Roncadin, A. De Paoli, M. Arcicasa, G. Boz and R. Bortolus (Italy) | 241 |
| Results of post-operative or exclusive radiotherapy in grade I and grade II cerebellar astrocytoma patients F. H. Akyol, I. L. Atahan, F. Zorlu, M. Gürkaynak, H. Alanyalı and E. Özyar (Turkey) | 245 |
| Reirradiation tolerance of the immature rat spinal cord A. C. C. Ruifrok, B. J. Kleiboer and A. J. van der Kogel (The Netherlands) | 249 |
| Accuracy of patient positioning in mantle field irradiation C. L. Creutzberg, A. G. Visser, P. M. Z. R. De Porre, J. H. Meerwaldt, V. G. M. Althof and P. C. Levendag (The Netherlands) | 257 |
| Technical Note A similar technique for film dosimetry M. D. C. Evans and L. J. Schreiner (Canada) | 265 |
| Letters to the Editors The never-ending controversy about TBI schedules J. M. Cosset, T. Girinsky and G. Socié (France) | 268 |
| Treatment time in bladder cancer L. B. Marks (U.S.A.) | 269 |
| Overall treatment time in the radiotherapy of transitional cell cancer of the bladder K. Kleineidam and HH. Dubben (F.R.G.) | 270 |

| | 275 |
|--|-----|
| Reply to letters by M. Kleineidam, H. H. Dubben and L. B. Marks: Two or three component dose-time curves for bladder cancer B. A. Maciejewski and S. Majewski (Poland) | 271 |
| Contents of Volume 23 | 272 |
| Author Index | 276 |
| Subject Index | 279 |